

C L A I M S

1. Use of a Fischer-Tropsch derived fuel in a yellow flame burner.
2. Use according to claim 1, wherein the lambda is between 1 and 1.6
- 5 3. Use according to claim 2, wherein the lambda is between 1.05 and 1.2.
4. Use according to any one of claims 1-3, wherein the flue gases as obtained by said use are used to heat water by means of indirect heat exchange in a boiler.
- 10 5. Use according to any one of claims 1-3, wherein the flue gases as obtained by said use are used to directly heat a space.
6. Use according to any one of claims 1-5, wherein the Fischer-Tropsch derived fuel boils for more than 90 wt% between 160 and 400 °C.
- 15 7. Use according to claim 6, wherein the Fischer-Tropsch derived fuel boils for more than 90 wt% between 160 and 370 °C.
8. Use according to any one of claims 1-7, wherein the Fischer-Tropsch derived fuel comprises a Fischer-Tropsch product which contains more than 80 wt% of iso and normal paraffins, less than 1 wt% aromatics, less than 5 ppm sulphur and less than 1 ppm nitrogen and wherein the density of the Fischer-Tropsch derived product is
- 20 25 between 0.65 and 0.8 g/cm³ at 15 °C.
9. Use according to any one of claims 1-8, wherein the Fischer-Tropsch derived fuel comprises more than 80 wt% of a Fischer-Tropsch product.

10. Use according to claim 9, wherein the Fischer-Tropsch derived fuel comprises a mineral oil fraction and/or a non-mineral oil fraction.
11. Use according to any one of claims 1-10, wherein more than 3 starts per hour are made with the yellow flame burner.
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12. Use according to any one of claims 1-11, wherein the Fischer-Tropsch derived fuel comprises one or more additives.
- 10 13. Use according to claim 12, wherein the Fischer-Tropsch derived fuel comprises an odour marker.
14. Use according to any one of claims 12-13, wherein the Fischer-Tropsch derived fuel comprises a colour marker.
- 15 15. Use according to any one of claims 12-14, wherein an additive is present which changes the colour of the flame such that is detectable by a yellow flame detector.
16. Use according to any one of claim 1-14, wherein a blue flame detector is used to detect the yellow flame burner flame.
- 20 17. Use according to claim 16, wherein an ionisation type flame detector is used to detect the flame of the yellow flame burner and wherein the fuel does not contain a metal-based combustion improver.